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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/810,916	03/16/2001	Terence D. Neavin	S1932USA2D-015	7795
32682	7599	01/23/2004	EXAMINER	
3M INNOVATIVE PROPERTIES COMPANY PO BOX 33427 ST. PAUL, MN 55133-3427			VAROOT, MATTHEW D	
			ART UNIT	PAPER NUMBER
			1732	
DATE MAILED: 01/23/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/810,916

Applicant(s)

NEAVIN ET AL

Examiner

Mathieu D. Vargot

Art Unit

1732

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address —
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.135(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory maximum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 July 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet, 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet, 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 3, 4 and 7-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Lewis et al.

The applied reference discloses the instant method of making a multilayered optical film by providing first and second streams of resin (extruders 11-13) , providing the instant feeder tube plate (feed ring 38) having first and second pluralities of conduits (slots 40 which are interleaved) into which a manifold feeds the separate streams of resin dependent on the desired layer order (col. 8, lines 14-20), providing a slot die (18, 48) for these conduits so that the initial resin streams are interleaved to form a composite stream (col. 8, lines 23-29) and passing the composite stream through an extrusion die (22) to form the multilayered web, wherein the resin streams are heated using a plurality of axial rod heaters (50) which are proximate the conduits. Instant claim 9 is submitted as taught at column 10, lines 18-31.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lewis et al.

Lewis et al discloses the basic claimed method as set forth in paragraph 1, supra, the reference essentially lacking that the rod heater is placed between the first and second plurality of conduits and that the temperature of the heater is varied along its length. It is submitted that the exact placement of the heaters and the use of heaters which have a variable temperature along their length would have been within the skill level of the art dependent on the desired temperature control—see column 3, lines 34-46 and column 8, lines 31-58.

3. Claims 10 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lewis et al in view of Kurtz (col. 8, lines 33-38).

Lewis et al is applied generally for reasons of record as set forth in paragraph 1, supra, the primary reference essentially lacking the aspects of quenching the multilayered web on a casting roll. Kurtz discloses that quenching on a casting roll is nothing but conventional in the art and that the high cooling rate obtained thereby provides for vastly improved optical properties over slower cooling rates—see col. 8, lines 46-48. It certainly would have been obvious to one of ordinary skill in the art at the time of invention to have modified the method of Lewis et al as taught by Kurtz to enhance the optical properties of the multilayered web.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chisholm et al and Krumm were applied to apparatus claims in application serial number 09/811,200 and these references are cited as of interest.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mathieu D. Vargot whose telephone number is 571 272-1211. The examiner can normally be reached on Mon-Fri from 9 to 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Colaianni, can be reached on 571272-1196. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571 272-0987.

M. Vargot
January 9, 2004


Mathieu D. Vargot
Primary Examiner
Art Unit 1732

1/9/04